Main switch, P3, 63 A, rear mounting, 3 pole + N, STOP function, With black rotary handle and locking ring, Lockable in the 0 (0ff) position



Part no. P3-63/V/SVB-SW/N 017517

Product name	Eaton Moeller® series P3 Main switch
Part no.	P3-63/V/SVB-SW/N
EAN Control (Decision of Control Contr	4015080175179
Product Length/Depth	147 millimetre
Product height	102 millimetre
Product width	90 millimetre
Product weight	0.495 kilogram
Certifications	UL 60947-4-1 CSA Class No.: 3211-05 CSA File No.: 012528 UL IEC/EN 60947 UL File No.: E36332 IEC/EN 60947-3 UL Category Control No.: NLRV IEC/EN 60204 VDE 0660 CSA CE CSA-C22.2 No. 60947-4-1-14 CSA-C22.2 No. 94 CSA UL
Product Tradename	P3
Product Type	Main switch
Product Sub Type	None
Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
eatures & Functions	
Features	Version as maintenance-/service switch Version as main switch
Fitted with:	Black rotary handle and locking ring
Functions	STOP function Interlockable
Locking facility	Lockable in the 0 (Off) position
Number of poles	4
eneral information	
Accessories	Auxiliary contact fitted by user.
Degree of protection	NEMA 12
Degree of protection (front side)	IP65
Lifespan, mechanical	100,000 Operations
Mounting method	Rear mounting
Mounting position	As required
Operating frequency	1200 Operations/h
Overvoltage category	III
Pollution degree	3
Rated impulse withstand voltage (Uimp)	6000 V AC
Safe isolation	440 V AC, Between the contacts, According to EN 61140
Safety parameter (EN ISO 13849-1)	B10d values as per EN ISO 13849-1, table C.1
Shock resistance	15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
Suitable for	Ground mounting  Branch circuits, suitable as motor disconnect, (UL/CSA)
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	50 °C

Ambient operating temperature (enclosed) - min	-25 °C
Ambient operating temperature (enclosed) - max	40 °C
Climatic proofing	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Terminal capacities	
Terminal capacity	$2 \times (1.5 - 6)$ mm², flexible with ferrules to DIN 46228 14 - 2 AWG, solid or flexible with ferrule $2 \times (2.5 - 10)$ mm², solid or stranded $1 \times (1.5 - 25)$ mm², flexible with ferrules to DIN 46228 $1 \times (2.5 - 35)$ mm², solid or stranded
Screw size	M5, Terminal screw
Tightening torque	3 Nm, Screw terminals 26.5 lb-in, Screw terminals
Electrical rating	
Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)	640 A
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)	600 A
Rated breaking capacity at 500 V (cos phi to IEC 60947-3)	590 A
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	340 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	51 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	55 A
Rated operational current (le) at AC-3, 500 V	44 A
Rated operational current (Ie) at AC-3, 660 V, 690 V	22.1 A
Rated operational current (Ie) at AC-21, 440 V	63 A
Rated operational current (Ie) at AC-23A, 230 V	63 A
Rated operational current (Ie) at AC-23A, 400 V, 415 V	63 A
Rated operational current (Ie) at AC-23A, 500 V	63 A
Rated operational current (Ie) at AC-23A, 690 V	63 A
Rated operational current (Ie) at DC-1, load-break switches I/r = 1 ms	63 A
Rated operational current (Ie) at DC-23A, 24 V	50 A
Rated operational current (Ie) at DC-23A, 48 V	50 A
Rated operational current (Ie) at DC-23A, 60 V	50 A
Rated operational current (Ie) at DC-23A, 120 V	25 A
Rated operational power at AC-3, 380/400 V, 50 Hz	30 kW
Rated operational power at AC-3, 415 V, 50 Hz	30 kW
Rated operational power at AC-3, 500 V, 50 Hz	30 kW
Rated operational power at AC-3, 690 V, 50 Hz	30 kW
Rated operational power at AC-23A, 220/230 V, 50 Hz	18.5 kW
Rated operational power at AC-23A, 400 V, 50 Hz	30 kW
Rated operational power at AC-23A, 500 V, 50 Hz	45 kW
Rated operational power at AC-23A, 690 V, 50 Hz	55 kW
Rated operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (Iu)	63 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Short-circuit rating	
Rated conditional short-circuit current (Iq)	4 kA (Load side) 100 kA (Supply side)
Rated short-time withstand current (Icw)	1.26 kA
Short-circuit current rating (basic rating)	10 kA, SCCR (UL/CSA) 150A, max. Fuse, SCCR (UL/CSA)
Short-circuit protection rating	80 A gG/gL, Fuse, Contacts
Switching capacity	
Load rating	1.3 $\times$ I# (with intermittent operation class 12, 60 % duty factor) 2 $\times$ I# (with intermittent operation class 12, 25 % duty factor) 1.6 $\times$ I# (with intermittent operation class 12, 40 % duty factor)
Number of contacts in series at DC-23A, 24 V	1
Number of contacts in series at DC-23A, 48 V	2
Number of contacts in series at DC-23A, 60 V	2
Number of contacts in series at DC-23A, 120 V	3
Switching capacity (main contacts, general use)	60 A, Rated uninterrupted current max. (UL/CSA)

Switching capacity (auxiliary contacts, priorat use)  Switching capacity (auxiliary contacts, priorat use)  Switching capacity (auxiliary contacts, priorat use)  Rated making capacity up to 880 V (cos phi to IEC/EN 60947-3)  Whotor rating  Assigned motor power at 115/120 V, 60 Hz, 1-phase  Assigned motor power at 115/120 V, 60 Hz, 1-phase  Assigned motor power at 2002/08 V, 60 Hz, 1-phase  Assigned motor power at 2002/08 V, 60 Hz, 1-phase  Assigned motor power at 2002/08 V, 60 Hz, 3-phase  Assigned motor power at 2002/08 V, 60 Hz, 3-phase  Assigned motor power at 2002/08 V, 60 Hz, 3-phase  Assigned motor power at 2002/08 V, 60 Hz, 3-phase  Assigned motor power at 2002/08 V, 60 Hz, 3-phase  Assigned motor power at 2002/08 V, 60 Hz, 3-phase  Assigned motor power at 2002/08 V, 60 Hz, 3-phase  Assigned motor power at 575/60 V, 60 Hz, 3-phase  Contacts  Control circuit reliability  1 failure per 100,000 switching operations statistically determined, at 24 V DC  Contacts  Control circuit reliability  1 failure per 100,000 switching operations statistically determined, at 24 V DC  Mumber of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally open contacts)  Actuator  Actuator  Actuator  Actuator vpe  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation apacity Pdiss  Heat dissipation on capacity Pdiss  Heat dissipation of thermal stability of enclosures  10.2.3.1 Verification of thermal stability of enclosures  10.2.2.2 Verification of resistance of insubating materials to normal heat  Meets the product standard's requirements.  Meets the product standard's requirements.  Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insubating materials to normal heat  Meets the product standard's requirements.
Rated making capacity up to 890 V (cos phi to IEC/EN 60947-3)  Voltage per contact pair in series  Motor rating  Assigned motor power at 100/200 V, 60 Hz, 1-phase  Assigned motor power at 200/200 V, 60 Hz, 1-phase  Assigned motor power at 200/200 V, 60 Hz, 1-phase  Assigned motor power at 200/200 V, 60 Hz, 2-phase  Assigned motor power at 200/200 V, 60 Hz, 3-phase  Assigned motor power at 200/200 V, 60 Hz, 3-phase  Assigned motor power at 200/200 V, 60 Hz, 3-phase  Assigned motor power at 200/200 V, 60 Hz, 3-phase  Assigned motor power at 200/200 V, 60 Hz, 3-phase  Assigned motor power at 400/460 V, 60 Hz, 3-phase  Assigned motor power at 400/460 V, 60 Hz, 3-phase  Assigned motor power at 400/460 V, 60 Hz, 3-phase  Contacts  Control circuit reliability  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally closed contacts)  Actuator color  Actuator color  Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (III)  Static heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (III)  Static heat dissipation of thermal stability of enclosures  10.2.3.2 Verification of thermal stability of enclosures  10.2.2.2 Verification of thermal stability of enclosures  10.2.3.2 Verification of thermal stability of enclosures  10.2.3.2 Verification of thermal stability of enclosures  10.2.3.3 Resist of insul. mat to abnormal heat/fire by internal elect effects  Uv resistance only in connection with protective shield.
Motor rating  Assigned motor power at 115/120 V, 60 Hz, 1-phase Assigned motor power at 200/280 V, 60 Hz, 1-phase Assigned motor power at 200/280 V, 60 Hz, 3-phase Assigned motor power at 200/280 V, 60 Hz, 3-phase Assigned motor power at 200/280 V, 60 Hz, 3-phase Assigned motor power at 230/240 V, 60 Hz, 3-phase Assigned motor power at 230/240 V, 60 Hz, 3-phase Assigned motor power at 230/240 V, 60 Hz, 3-phase Assigned motor power at 250/260 V, 60 Hz, 3-phase Assigned motor power at 250/260 V, 60 Hz, 3-phase Assigned motor power at 250/260 V, 60 Hz, 3-phase Assigned motor power at 250/260 V, 60 Hz, 3-phase  Contacts  Control circuit reliability  Mumber of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally closed contacts)  Actuator  Actuator color  Actuator vipe  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation, current-dependent Pvid  Heat dissipation, paperity for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvis  Rated operational current for specified heat dissipation (In)  Static heat dissipation of thermal stability of enclosures  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of thermal stability of enclosures  10.2.3.3 Resist of insul. mat. to abnormal heat/fire by internal elect effects  10.2.4 Resistance to ultra-virolet (UV) radiation  UV resistance conly in connection with protective shield.
Motor rating  Assigned motor power at 115/120 V, 60 Hz, 1-phase Assigned motor power at 200/280 V, 60 Hz, 1-phase Assigned motor power at 200/280 V, 60 Hz, 1-phase Assigned motor power at 200/280 V, 60 Hz, 3-phase Assigned motor power at 200/280 V, 60 Hz, 3-phase Assigned motor power at 200/280 V, 60 Hz, 3-phase Assigned motor power at 200/280 V, 60 Hz, 3-phase Assigned motor power at 200/280 V, 60 Hz, 3-phase Assigned motor power at 200/280 V, 60 Hz, 3-phase Assigned motor power at 460/480 V, 60 Hz, 3-phase Assigned motor power at 460/480 V, 60 Hz, 3-phase Assigned motor power at 460/480 V, 60 Hz, 3-phase Assigned motor power at 460/480 V, 60 Hz, 3-phase  Contacts  Control circuit reliability  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally open contacts)  Actuator  Actuator color  Actuator c
Assigned motor power at 115/120 V, 60 Hz, 1-phase Assigned motor power at 200/208 V, 60 Hz, 2-phase Assigned motor power at 200/208 V, 60 Hz, 2-phase Assigned motor power at 200/208 V, 60 Hz, 2-phase Assigned motor power at 230/240 V, 60 Hz, 2-phase Assigned motor power at 230/240 V, 60 Hz, 2-phase Assigned motor power at 230/240 V, 60 Hz, 2-phase Assigned motor power at 230/240 V, 60 Hz, 2-phase Assigned motor power at 450/280 V, 60 Hz, 2-phase Assigned motor power at 450/280 V, 60 Hz, 2-phase Assigned motor power at 450/280 V, 60 Hz, 2-phase Assigned motor power at 450/280 V, 60 Hz, 2-phase  Control circuit reliability  Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally open contacts)  Actuator  Actuator vive  Design verification Equipment heat dissipation, current-dependent Pvid Heat dissipation capacity Pdiss OW  Heat dissipation per pole, current-dependent Pvid Asted operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvi  10.2.2 Corrosion resistance 10.2.3 Verification of thermal stability of enclosures 10.2.3 Verification of thermal stability of enclosures 10.2.3 Verification of thermal stability of enclosures 10.2.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation  3 HP  15 HP  10 H
Assigned motor power at 200/208 V, 60 Hz, 1-phase Assigned motor power at 200/208 V, 60 Hz, 3-phase Assigned motor power at 230/240 V, 60 Hz, 3-phase Assigned motor power at 230/240 V, 60 Hz, 3-phase Assigned motor power at 480/480 V, 60 Hz, 3-phase Assigned motor power at 480/480 V, 60 Hz, 3-phase Assigned motor power at 480/480 V, 60 Hz, 3-phase Assigned motor power at 480/480 V, 60 Hz, 3-phase Assigned motor power at 575/600 V, 60 Hz, 3-phase Assigned motor power at 575/600 V, 60 Hz, 3-phase Control circuit reliability  Control circuit reliability  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally closed contacts)  Actuator color  Actuator color  Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss Heat dissipation, por-current-dependent Pvid  Asside deperational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.0 Vresistance only in connection with protoctive shield.
Assigned motor power at 200/208 V, 60 Hz, 3-phase 10 HP Assigned motor power at 230/240 V, 60 Hz, 1-phase 10 HP Assigned motor power at 230/240 V, 60 Hz, 3-phase 15 HP Assigned motor power at 460/480 V, 50 Hz, 3-phase 40 HP Assigned motor power at 460/480 V, 50 Hz, 3-phase 50 HP  Contacts  Control circuit reliability  Unmber of auxiliary contacts (change-over contacts) 0 Number of auxiliary contacts (normally closed contacts) 0 Number of auxiliary contacts (normally open contacts) 0 Number of auxiliary contacts (normally open contacts) 0 Actuator color Actuator color Actuator type 0 Design verification  Equipment heat dissipation, current-dependent Pvid 0 Heat dissipation per pole, current-dependent Pvid 4.5 W Rated operational current for specified heat dissipation (In) 63 A Static heat dissipation, nor-current-dependent Pvs 0 10.2.2 Corrosion resistance 0 10.2.3 I Verification of thermal stability of enclosures Meets the product standard's requirements. 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 1.5 cm 2 cm
Assigned motor power at 230/240 V, 60 Hz, 1-phase  Assigned motor power at 230/240 V, 60 Hz, 3-phase  Assigned motor power at 460/480 V, 60 Hz, 3-phase  Assigned motor power at 460/480 V, 60 Hz, 3-phase  Assigned motor power at 575/600 V, 60 Hz, 3-phase  Control circuit reliability  Control circuit reliability  I failure per 100,000 switching operations statistically determined, at 24 V DC mA)  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally open contacts)  Actuator  Actuator color  Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Asted operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  10 W resistance only in connection with protective shield.
Assigned motor power at 230/240 V, 60 Hz, 3-phase  Assigned motor power at 460/480 V, 60 Hz, 3-phase  Assigned motor power at 460/480 V, 60 Hz, 3-phase  Control circuit reliability  Control circuit reliability  I failure per 100,000 switching operations statistically determined, at 24 V D (m/mA)  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally open contacts)  Actuator  Actuator color  Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Asted operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvis  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  15 HP  40 HP
Assigned motor power at 460/480 V, 60 Hz, 3-phase  Assigned motor power at 575/600 V, 60 Hz, 3-phase  Contracts  Control circuit reliability  Control circuit reliability  Control circuit reliability  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally open contacts)  Actuator  Actuator color  Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  40 HP  10 HP  11 Failure per 100,000 switching operations statistically determined, at 24 V DC mA)  10 Control in Failure per 100,000 switching operations statistically determined, at 24 V DC mA)  10 Control in Failure per 100,000 switching operations statistically determined, at 24 V DC mA)  10 Control in Failure per 100,000 switching operations statistically determined, at 24 V DC mA)  10 Control in Failure per 100,000 switching operations statistically determined, at 24 V DC mA)  10 Control in Failure per 100,000 switching operations statistically determined, at 24 V DC mA)  10 Control in Failure per 100,000 switching operations statistically determined, at 24 V DC mA)  10 Control in Failure per 100,000 switching operations statistically determined, at 24 V DC mA)  10 Control in Failure per 100,000 switching operations statistically determined, at 24 V DC mA)  10 Control in Failure per 100,000 switching operations statistically determined, at 24 V DC mA)  10 Control in Failure per 100,000 switching
Assigned motor power at 575/600 V, 60 Hz, 3-phase  Contracts  Control circuit reliability  I failure per 100,000 switching operations statistically determined, at 24 V DC mA)  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally open contacts)  Number of auxiliary contacts (normally open contacts)  Actuator  Actuator  Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  OW  Heat dissipation per pole, current-dependent Pvid  Asted operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  OW  10.2.2 Corrosion resistance  Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  50 HP  1 failure per 100,000 switching operations statistically determined, at 24 V DC mA)  1 failure per 100,000 switching operations statistically determined, at 24 V DC mA)  0 0  0 0  4 Ctuator  OW  4 5 W  Rated operational current-dependent Pvid  As W  Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  UV resistance only in connection with protective shield.
Control circuit reliability  Control circuit reliability  I failure per 100,000 switching operations statistically determined, at 24 V DC mA)  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally open contacts)  Actuator  Actuator Color  Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Asted operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.24 Resistance to ultra-violet (UV) radiation  10.25 Control circuit reliability of enclosures of the product standard's requirements.  10.2.4 Resistance to ultra-violet (UV) radiation  10.25 Control circuit reliability of enclosures of the product standard's requirements.  10.2.4 Resistance to ultra-violet (UV) radiation  10.26 Control circuit reliability of enclosures of the product standard's requirements.  10.27 Control circuit reliability of enclosures of the product standard's requirements.  10.28 Resistance to ultra-violet (UV) radiation  10.29 Control circuit reliability of enclosures of the product standard's requirements.  10.29 Control circuit reliability of enclosures of the product standard's requirements.  10.29 Control circuit reliability of enclosures of the product standard's requirements.  10.29 Control circuit reliability of enclosures of the product standard's requirements.  10.20 Control circuit reliability of enclosures of the product standard's requirements.  10.20 Control circuit reliability of enclosures of the product standard's requirements.  10.21 Control circuit reliability of enclo
Control circuit reliability  I failure per 100,000 switching operations statistically determined, at 24 V D C mA)  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally open contacts)  Actuator  Actuator  Actuator color  Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Astado operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  1 In failure per 100,000 switching operations statistically determined, at 24 V D C mA)  0 U  1 Actuator contacts (change-over contacts)  0 UV  1 Actuator color  Black  Door coupling rotary drive  0 W  0 W  4.5 W  63 A  Static heat dissipation, non-current-dependent Pvid  4.5 W  63 A  Static heat dissipation, non-current-dependent Pvs  0 W  10.2.2 Corrosion resistance  Meets the product standard's requirements.  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  UV resistance only in connection with protective shield.
Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally open contacts)  Actuator  Actuator color  Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation
Number of auxiliary contacts (normally open contacts)  Number of auxiliary contacts (normally open contacts)  Actuator  Actuator color  Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation
Number of auxiliary contacts (normally open contacts)  Actuator  Actuator color  Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Actuator type  OW  Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  OW  10.2.2 Corrosion resistance  Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  Meets the product standard's requirements.  UV resistance to ultra-violet (UV) radiation  UV resistance only in connection with protective shield.
Actuator color Actuator type Design verification  Equipment heat dissipation, current-dependent Pvid Heat dissipation per pole, current-dependent Pvid Actuator type  0 W Heat dissipation per pole, current-dependent Pvid Actuator type  0 W Heat dissipation per pole, current-dependent Pvid Actuator type  0 W Heat dissipation per pole, current-dependent Pvid Actuator type  0 W Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvs 0 W  10.2.2 Corrosion resistance Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements.  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects Meets the product standard's requirements.  10.2.4 Resistance to ultra-violet (UV) radiation UV resistance only in connection with protective shield.
Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  OW  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  OW  10.2.2 Corrosion resistance  Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  UV resistance to ultra-violet (UV) radiation  UV resistance only in connection with protective shield.
Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  OW  10.2.2 Corrosion resistance  Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insulating materials to normal heat  Meets the product standard's requirements.  UV resistance to ultra-violet (UV) radiation  UV resistance only in connection with protective shield.
Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  0 W  10.2.2 Corrosion resistance  Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  0 W  Meets the product standard's requirements.  Meets the product standard's requirements.  Meets the product standard's requirements.  Weets the product standard's requirements.  Weets the product standard's requirements.  UV resistance only in connection with protective shield.
Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  0 W  Heat dissipation per pole, current-dependent Pvid  A.5 W  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  0 W  10.2.2 Corrosion resistance  Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insulating materials to normal heat  Meets the product standard's requirements.  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  Meets the product standard's requirements.  UV resistance only in connection with protective shield.
Heat dissipation capacity Pdiss  0 W  Heat dissipation per pole, current-dependent Pvid  4.5 W  Rated operational current for specified heat dissipation (In)  63 A  Static heat dissipation, non-current-dependent Pvs  0 W  10.2.2 Corrosion resistance  Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insulating materials to normal heat  Meets the product standard's requirements.  Meets the product standard's requirements.  Meets the product standard's requirements.  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  Meets the product standard's requirements.  UV resistance only in connection with protective shield.
Heat dissipation per pole, current-dependent Pvid  A.5 W  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  0 W  10.2.2 Corrosion resistance  Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insulating materials to normal heat  Meets the product standard's requirements.  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  Meets the product standard's requirements.  10.2.4 Resistance to ultra-violet (UV) radiation  UV resistance only in connection with protective shield.
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10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  Meets the product standard's requirements.  UV resistance only in connection with protective shield.
10.2.4 Resistance to ultra-violet (UV) radiation  UV resistance only in connection with protective shield.
100F life
10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions Meets the product standard's requirements.
10.3 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances  Meets the product standard's requirements.
10.5 Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections Is the panel builder's responsibility.
10.8 Connections for external conductors Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material Is the panel builder's responsibility.
10.10 Temperature rise  The panel builder is responsible for the temperature rise calculation. Eaton v provide heat dissipation data for the devices.
10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear me
observed.
10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear moobserved.

## **Technical data ETIM 9.0**

Low-voltage industrial components (EG000017) / Switch disconnector (low voltage) (EC000216)

Electric engineering, automation, process control engineering / Low-voltage switch technolog [AKF060018])	/ Off-load s	witch, circuit breaker, control switch / Switch disconnector (ecl@ss13-27-37-14-03
Version as main switch		Yes
Version as maintenance-/service switch		Yes
Version as safety switch		No
Version as emergency stop installation		No
Version as reversing switch		No
Number of switches		1
Max. rated operation voltage Ue AC	V	690
Rated operating voltage	V	690 - 690
Rated permanent current lu	Α	63
Rated permanent current at AC-23, 400 V	Α	63
Rated permanent current at AC-21, 400 V	Α	63
Rated operation power at AC-3, 400 V	kW	30
Rated short-time withstand current lcw	kA	1.26
Rated operation power at AC-23, 400 V	kW	30
Switching power at 400 V	kW	30
Conditioned rated short-circuit current Iq	kA	100
Number of poles		4
Number of auxiliary contacts as normally closed contact		0
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as change-over contact		0
Motor drive optional		No
Motor drive integrated		No
Voltage release optional		No
Device construction		Built-in device fixed built-in technique
Suitable for floor mounting		Yes
Suitable for front mounting 4-hole		No
Suitable for front mounting centre		No
Suitable for distribution board installation		No
Suitable for intermediate mounting		No
Colour control element		Black
Type of control element		Door coupling rotary drive
Interlockable		Yes
Type of electrical connection of main circuit		Screw connection
With pre-assembled cabling		No
Degree of protection (IP), front side		IP65
Degree of protection (NEMA)		12
Width	mm	90
Height	mm	102
Depth	mm	147
Width in number of modular spacings		